

# KLB-SYSTEM EPOXID

## EP 1276

Yellowing-resistant, non-pigmented 2-component epoxy grouting resin

### Packaging units



Article no.	Packaging	Content (kg)	Units/pallet
AK1434-70	Bucket combo	5.00 kg	45
AK1434-50	Bucket combo	10.00 kg	30
AK1434-30	Hobbock combo	30.00 kg	12

### Product characteristics

Mixing ratio parts by weight	A : B = 100 : 42
Mixing ratio parts by volume	A : B = 100 : 38
Processing time	10 °C / 50 °F : 90 min. 20 °C / 68 °F : 50 min. 30 °C / 86 °F : 30 min.
Processing temperature	Minimum 10 °C / 50 °F (room and floor temperature)
Curing time (accessibility)	10 °C / 50 °F : 36 - 48 hrs. 20 °C / 68 °F : 24 - 36 hrs. 30 °C / 86 °F : 14 - 24 hrs.
Curing	Accessible/further coatings after 24 - 36 hours at 20 °C / 68 °F 2 - 3 days until mechanical load at 20 °C / 68 °F 7 days until chemical load at 20 °C / 68 °F
Further coatings	After 24 - 36 hours, but after 48 hours at the latest at 20 °C / 68 °F or "fresh-in-fresh"
Consumption	Transparent resin layers: approx. 5.4 - 26.7 kg/m <sup>2</sup>
Layer thickness	5 - 25 mm
Packaging	Bucket combo 5 kg, Bucket combo 10 kg, Hobbock combo 30 kg
Shelf life	12 months (originally sealed)

### Product description

**KLB-SYSTEM EPOXID EP 1276** is a low-viscosity and low-emission 2-component epoxy resin that is exclusively used for producing decorative objects together with wood (e.g. table boards, benches, etc.).

The binding agent **KLB-SYSTEM EPOXID EP 1276** is slow hardening, easy to process and can be used as grouting resin also in thicker layers from 5 to 25 mm.

Objects manufactured with **KLB-SYSTEM EPOXID EP 1276** are characterized by a high mechanical and a good wear resistance. The resin also offers a good colour stability, but is not completely color-stable like all epoxy resins.

The resin offers a good resistance to chemicals, especially saline solutions, diluted inorganic acids and alkalis, as well as solvents. Conditionally resistant to organic acids and strongly oxidizing agents.

### Area of application

- Grouting resin for decorative objects in thick layers in combination with wood
- The cured resin can be turned

**Product features**

- non-pigmented, glossy
- lower viscosity
- Total Solid according to GISCODE (Test method "Deutsche Bauchemie")
- tested, low-emission quality
- low-grade yellowing

**Technical data**

Viscosity - Component A+B	150 - 200	mPas	DIN EN ISO 3219 (23 °C / 73.4 °F)
Density - Component A+B	1.07	kg/l	DIN EN ISO 2811-2 (20 °C / 68 °F)
Weight loss	0.3	weight-%	after 28 days
Water absorption	< 0.2	weight-%	DIN 53495
Adhesive tensile strength	> 1.5	N/mm <sup>2</sup>	DIN EN 1542
Shore-hardness D	75	-	DIN EN 1542

The values established in tests are average values. Deviations from the product specification may occur.

**Substrate**

The substrate to be coated must be even, dry, dust-free, sufficiently resistant to tension and compression, and free from weakly-bonded components or surfaces. Materials impairing adhesion, such as grease, oil and traces of paint, should be removed using suitable measures.

Observe the information issued by the trade associations, e.g. the most recent versions of BEB worksheets KH-0/U and KH-0/S as well as the notes in the product information for the recommended KLB primers.

**Mixing**

If the components are packed individually, they must be weighed out exactly in the specified mixing ratio. Combo-packaging will be supplied in the correctly measured mixing ratio. The package of Component A has sufficient volume to contain the entire packaging unit. Empty all of the hardener compound B into the resin. Blend with a slow speed mixer (200 - 400 r/pm) for at least 2 - 3 minutes until a homogeneous, streak-free compound forms.

Important:

The mixing times must always be the same. Then process the complete mixture immediately and at a constant working rhythm.

**Processing**

The binding agent should always be processed immediately in order to keep the change in consistency due to the reaction progress to a minimum. The optimal processing temperature is between 15 and 25 °C / 59 and 77 °F.

The object and air temperature must not fall below 10 °C / 50 °F during curing and/or humidity should not exceed 75 %. The difference in floor and room temperature must remain less than 3 °C / 3 K / 5.4 °F so as not to impede the curing process. If a dew-point situation arises, regular curing will not be possible with hardening problems and spotting to occur. Exposure to water should be avoided during the first 7 days. The specified curing times are dependent on the ambient temperature (see table); temperatures below this require longer processing and curing times, while higher temperatures require shorter times. If working conditions are not complied with, the technical properties of the end product may deviate from those specified.

**Cleaning**

To remove fresh contamination and to clean tools, use **VR 33** or **VR 24** immediately. Hardened material can only be removed mechanically.

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**Storage**

Store in dry and at frost-free conditions. Ideal storage temperature 10 - 20 °C / 50 - 68 °F. Bring to a suitable working temperature before application. Tightly re-seal opened containers and use the content as soon as possible.

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**Special remarks**

The product is regulated by the German Ordinance on Hazardous Substances (GefStoffV), the German Ordinance on Industrial Safety and Health (BetrSichV), and transport regulations for hazardous goods. The necessary information is contained in the DIN Safety Data Sheet. Observe all identification information on the container label!

GISCODE: RE90

**Indication of VOC-content:**

(EG-Regulation 2004/42) Maximum Permissible Value 500 g/l (2010,II,j/lb): Ready-for-use product contains < 500 g/l VOC.

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CE marking

	
KLB Kötztal Lacke + Beschichtungen GmbH Günztalstraße 25 D-89335 Ichenhausen; Germany	
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EP1276-V1-022019	
DIN EN 13813:2003-01	
Synthetic resin floor ground coating for indoor use according to the product overview DIN EN 13813: SR-B1,5-AR0,5-IR5	
Fire behaviour	E <sub>fl</sub>
Emission of corrosive substances	SR
BCA abrasion resistance	AR 0.5
Adhesive tensile strength	B 1.5
Impact resistance	IR 4



Please consider the latest version of this product information on our website.

All stated information is based on our experience and technical preparation. We guarantee the correct and proper quality of our products. We do not assume any responsibility for the work not carried out by us, since we have no influence on the processing or processing conditions. We recommend on-site trials to be conducted in individual cases. With the publication of this new KLB product information, all prior information loses validity. The latest version is available electronically on our website [www.klb-koetztal.com](http://www.klb-koetztal.com). In addition, our "General Terms and Conditions" apply.